

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP 03/12754

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 G05B17/00 G01D1/16		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01D G05B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WD 00/65414 A (SIEMENS AG ;STOEHR ANNELIE (DE)) 2 November 2000 (2000-11-02) page 1, line 5 -page 5, line 15	1-14
A	EP 0 770 946 A (ABB PATENT GMBH) 2 May 1997 (1997-05-02) page 2, line 5 -page 3, line 28	1-14
A	US 5 267 277 A (MANAZIR RICHARD M ET AL) 30 November 1993 (1993-11-30) claim 8	1-14
A	US 4 977 531 A (OGATA TERUAKI ET AL) 11 December 1990 (1990-12-11) the whole document	1-14
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</span>		
* Special categories of cited documents:		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the International filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
29 April 2004	07/05/2004	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Kuntz, J-M	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN  vol. 018, no. 555 (P-1816),  21 October 1994 (1994-10-21)  &amp; JP 06 201413 A (NISSAN MOTOR CO LTD),  19 July 1994 (1994-07-19)  abstract</p>	1-12

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